

# Maths

## Maths Standard Test 5

Fill in the following particulars:

Name.....

Boy or girl.....

Date of Birth .....

School .....

Class.....

Today's date.....

**Read the following carefully:**

- Do not open this booklet or begin the test until you are told to do so.
- Mark your answers on the answer sheet provided.
- Work as carefully and quickly as you can.
- If you can not do a question, go on to the next one.
- If you make a mistake rub out the mistake and write the new answer.
- You will have 50 minutes to complete the test

Q1

How do you write thirty-five thousand two hundred and nine  
Mark your answer on the answer sheet.

Q2

$$\textcircled{8} \times \textcircled{4} + \textcircled{?} = \textcircled{55}$$

What is the value of the question mark?  
Mark your answer on the answer sheet.

Q3

Which is the largest number?  
(0.1, 1.01, 0.5, 10, 1.9)  
Mark your answer on the answer sheet.

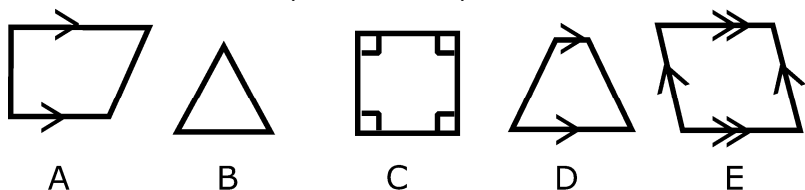
Q4

The temperature last week Wednesday was 5° colder than this week Wednesday. The temperature this week Wednesday was 2° warmer than it was on Tuesday. It was 11° Celsius on Tuesday this week.

What was the temperature last week Wednesday?  
Mark your answer on the answer sheet.

Q5

Which one of these shapes is NOT a quadrilateral?



Mark your answer on the answer sheet.

Q6

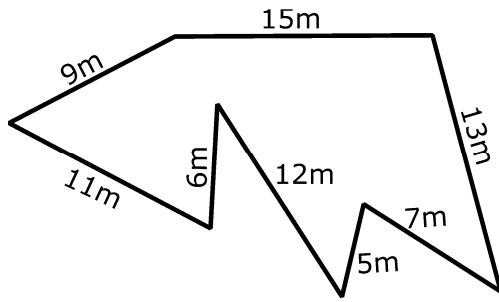
$40 \times 15 = ?$   
Mark your answer on the answer sheet.

Q7

Five boys caught the bus to the cinema. Two of them were over the age of 12 and the other three were younger than 12. The bus fare for children under 12 was 50p. The boys paid £3.10 in total.

How much does ONE ticket for a person over the age of twelve cost?  
Mark your answer on the answer sheet.

Q8



What is the perimeter of this shape?  
Mark your answer on the answer sheet.

Q9

A group of friends decide to pool all of their pocket money to buy a football. Kerry will buy it when she goes to the shops with her mum. So, Josey gives Kerry £1.20. Mary, Luke and Sofie each give 70p. Catherine gives 65p and Oliver gives £1.25. The football costs £3.90.

How much change will Kerry bring back?  
Mark your answer on the answer sheet.

Q10

$$6 \overline{) 924} \quad ?$$

Calculate the answer.  
Mark your answer on the answer sheet.

Q11

There was a queue of 40 children waiting to go on the jumping castle at the local fair. At 9am, the first group of 5 children were allowed onto the jumping castle. After 10 minutes, those children got off and another 5 were allowed on. Then it began to rain very heavily, so nobody else was allowed on.

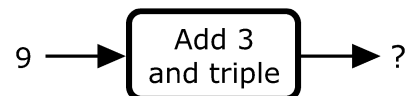
What percentage of the original queue did NOT get a chance to jump?  
Mark your answer on the answer sheet.

Q12

What is the sum of 72 and 14?  
Mark your answer on the answer sheet.

Q13

If you put 9 into this function machine, what will come out?  
Mark your answer on the answer sheet.

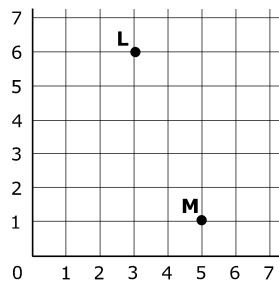


Q14

$$4x + 2y = 5z$$

If  $x = 1$  and  $y = 3$ , what is the value of  $z$ ?  
Mark your answer on the answer sheet.

Q15



What are the coordinates of L and M?  
Mark your answer on the answer sheet.

Q16

Which one of the following is smaller than  $\frac{1}{4}$ ?  
( $\frac{2}{6}$ ,  $\frac{3}{4}$ , 0.3, 35%, 20%)  
Mark your answer on the answer sheet.

Q17

The contestant on a game show was given 5 envelopes. Two of them had prizes inside.  
What is the probability that the contestant will choose an envelope with a prize?  
Mark your answer on the answer sheet.

Q18

Matthew did a survey to see each person's favourite type of pet. There are 30 students in his class who all took part in the survey.

What percentage of students chose rabbits as their favourite pet?  
Mark your answer on the answer sheet.

PETS	TALLY
dogs	
cats	
mice	
birds	
rabbits	

Q19

How many lines of symmetry does the word WOW have?  
Mark your answer on the answer sheet.

Q20

Complete the sequence: 11.2, 11.3, 11.5, 11.8, 12.2, ?  
Mark your answer on the answer sheet.

Q21

Sally and her family are moving to a new house. Here is a diagram showing the size of Sally's new bedroom. She also has her own balcony.

What is the total area of the bedroom and the balcony?

Mark your answer on the answer sheet.

Q22

$125 - 77 = ?$

Mark your answer on the answer sheet.

Q23

What number do you need to put into this function machine to get 30 out?

Mark your answer on the answer sheet.

Q24

A map of central London is drawn to a scale of 1:300,000.

What real distance is represented by 1 cm on the map?

Mark your answer on the answer sheet.

Q25

Approximately how many centimetres are equivalent to 5 inches?

Mark your answer on the answer sheet.

Q26

John, Sarah, Luke, Maggy and Kyle had a competition to see who could fit the most marshmallows in their mouth at one time. This bar chart shows the results.

How many did Sarah manage to fit in her mouth?

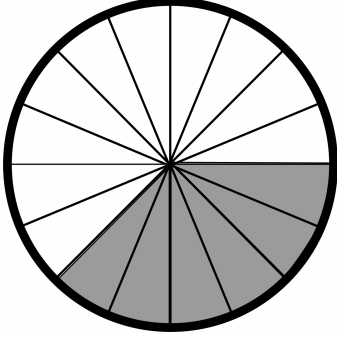
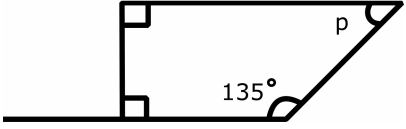
Mark your answer on the answer sheet.

Name	Number of marshmallows
John	12
Sarah	7
Luke	10
Maggy	4
Kyle	13

Q27

What time is 2 hours later than midday?

Mark your answer on the answer sheet.

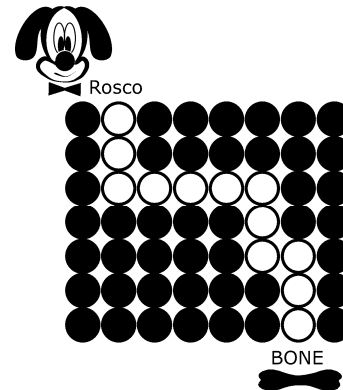
Q28	<p>A train has 600 seats. It starts its journey with no passengers. At the first station 315 people get on. At the second station 55 people get off, but another 290 people get on.</p> <p>How many empty seats are there on the train after the second station?</p> <p>Mark your answer on the answer sheet.</p>
Q29	<p>What fraction of this circle is shaded?</p> <p>Mark your answer on the answer sheet.</p> 
Q30	<p>7 is a factor of only one of these numbers. Which one?</p> <p>(27, 35, 32, 16, 40)</p> <p>Mark your answer on the answer sheet.</p>
Q31	<p>What is a 5 sided shape called?</p> <p>Mark your answer on the answer sheet.</p>
Q32	 <p>What is the value of angle <math>p</math>?</p> <p>Mark your answer on the answer sheet.</p>
Q33	<p>A shop had a special offer of 10% off a pair of gloves if you buy a matching hat. I decided to take advantage of this offer and bought a blue hat for £15. The matching blue gloves were originally £8.</p> <p>What did I have to pay in total for the gloves and hat?</p> <p>Mark your answer on the answer sheet.</p>
Q34	<p>The minimum summer temperature in South Africa is <math>18^{\circ}</math> Celsius and the maximum is <math>33^{\circ}</math>.</p> <p>What is the range of summer temperature in South Africa?</p> <p>Mark your answer on the answer sheet.</p>

Q35

Rosco needs to find his bone. He can only step on the white circles.

Choose which instructions (A – F) you would give to Rosco to get him to his bone. Each instruction can be used more than once.

Mark your answer on the answer sheet.



- A) 1 step forward
- B) 2 steps forward
- C) 3 steps forward
- D) 4 steps forward
- E) turn 90 degrees left
- F) turn 90 degrees right

Q36

What is 7.36 rounded to 1 decimal place?

Mark your answer on the answer sheet.

Q37

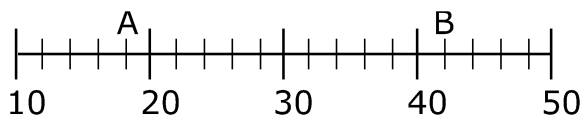
The shopping centre was doing a special promotion on the 13th March. For the first 75 people that came into the centre, they gave every fifth person a £2 voucher.

How many people would have received a voucher?

Mark your answer on the answer sheet.

Q38

Look at the number line.



What is the difference between points A and B?

Mark your answer on the answer sheet.

Q39

The ratio of boys to girls in Sue's school is 5:3.

If there are 60 girls, how many boys are there?

Mark your answer on the answer sheet.

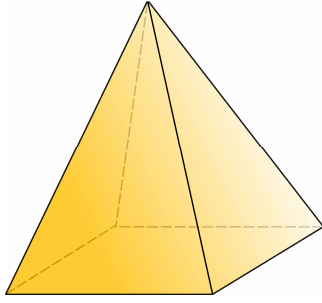
Q40

Jimmy lives on a farm and he decides to count the animals' legs. They have 6 chickens, 5 cows and 3 sheep.

How many legs can he count?

Mark your answer on the answer sheet.

Q41



How many vertices does a square based pyramid have?  
Mark your answer on the answer sheet.

Q42

Which answer has the greatest value?  
(20% of 50,  $85 \div 5$ , double 17,  $\frac{1}{2}$  of 116,  $79 + 6$ )  
Mark your answer on the answer sheet.

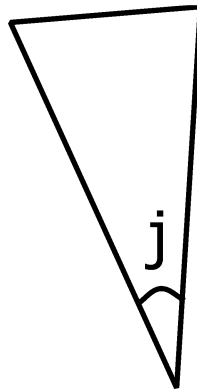
Q43

What is the largest 4-digit number that can be made from these four numbers? Use each number only once.  
Mark your answer on the answer sheet.

5, 0, 2, 8

Q44

What name can be given to angle j?  
Mark your answer on the answer sheet.



Q45

Peter gets £2.50 pocket money each week. He wants to buy a bowl of 6 goldfish which will cost £20.  
For how many weeks will he need to save his pocket money so that he can afford this?  
Mark your answer on the answer sheet.

Q46

When rolling a dice, what is the probability of getting a 2?  
Mark your answer on the answer sheet.

Q47

Which number continues the sequence?  
-1, 1, 4, 8, ?  
Mark your answer on the answer sheet.



Q48

Which one of the following is not a prime number?

(17, 13, 8, 3, 41)

Mark your answer on the answer sheet.

Q49

A pack of five fruit juices cost £15. If you buy them individually, it costs £3.20 per carton of fruit juice.

Work out the cheapest way to buy 22 cartons of fruit juice. What will you pay in total?

Mark your answer on the answer sheet.

Q50

What is another way of writing 1000 metres?

Mark your answer on the answer sheet.

# Answer Sheet

## Maths Standard Test 5

- |     |     |
|-----|-----|
| 1.  | 26. |
| 2.  | 27. |
| 3.  | 28. |
| 4.  | 29. |
| 5.  | 30. |
| 6.  | 31. |
| 7.  | 32. |
| 8.  | 33. |
| 9.  | 34. |
| 10. | 35. |
| 11. | 36. |
| 12. | 37. |
| 13. | 38. |
| 14. | 39. |
| 15. | 40. |
| 16. | 41. |
| 17. | 42. |
| 18. | 43. |
| 19. | 44. |
| 20. | 45. |
| 21. | 46. |
| 22. | 47. |
| 23. | 48. |
| 24. | 49. |
| 25. | 50. |

# Answers

## Maths Standard Test 5

Q1)	35,209	Q26)	7
Q2)	23	Q27)	14:00
Q3)	10	Q28)	50
Q4)	8°	Q29)	3/8
Q5)	B	Q30)	35
Q6)	600	Q31)	pentagon
Q7)	80p	Q32)	45°
Q8)	78m	Q33)	£22.20
Q9)	£1.30	Q34)	15
Q10)	154	Q35)	C E D F B E A F C
Q11)	75%	Q36)	7.4
Q12)	86	Q37)	75 ÷ 5
Q13)	36	Q38)	24
Q14)	2	Q39)	100
Q15)	L(3,6) and M(5,1)	Q40)	44
Q16)	20%	Q41)	5
Q17)	40%	Q42)	79 + 6
Q18)	10%	Q43)	8,520
Q19)	1	Q44)	acute
Q20)	12.7	Q45)	8
Q21)	105m <sup>2</sup>	Q46)	1/6
Q22)	48	Q47)	13
Q23)	10	Q48)	8
Q24)	3km	Q49)	£66.40
Q25)	12.5 cm	Q50)	1 km